Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	06/13/2016 10:59 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2016 10:14 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124192	-1	2.91	124053	2.88
Blue	F	SSC	125000	126057	0	5.25	127055	5.07
Blue	E	FITC	17316	16518	-5	3.86	931	9.59
Blue	D	PE	22501	21894	-3	3.50	983	9.08
Blue	B	PerCP-Cy5-5	67647	66987	-1	3.89	1762	13.78
Blue	A	PE-Cy7	80682	79572	-2	4.77	1048	25.76
Red	C	APC	64263	62902	-3	2.77	3549	8.28
Red	A	APC-Cy7	96129	95370	-1	2.79	1886	8.42
Violet	B	V450	11714	11238	-5	3.67	699	8.41
Violet	A	V500	48394	46913	-4	3.34	2652	6.04

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19469	4.61	597	8	N/A	N/A	Pass
Blue	F	SSC	62705	4.26	522	8	N/A	N/A	Pass
Blue	E	FITC	100	38.51	519	-1	0.0248	273	Pass
Blue	D	PE	203	25.83	515	1	0.1522	129	Pass
Blue	B	PerCP-Cy5-5	216	40.43	610	3	0.0106	1	Pass
Blue	A	PE-Cy7	75	102.25	667	4	0.0139	8	Pass
Red	C	APC	331	27.00	586	1	0.0207	33	Pass
Red	A	APC-Cy7	119	39.54	566	1	0.0043	724	Pass
Violet	B	V450	74	42.59	461	5	0.0418	1698	Pass
Violet	A	V500	173	23.12	493	6	0.0135	339	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.15	-30.78	0.79
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.31
Red	15.66	13.28 - 19.92	N/A	N/A	31.16	31.55	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9576

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments